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In the Claims:

Pursuant to 37 C.F.R. §1.121(c), please cancel claims 1-10 and 19, without prejudice. A complete listing of all the claims in the application is provided immediately below.

COMPLETE LISTING OF ALL CLAIMS IN THE APPLICATION

- 1-10. (Canceled).
- 11. (Original) A method of fabricating a field-installable connector adapted to be mechanically spliced to a field optical fiber, comprising:

rotating a stub optical fiber secured within a ferrule of the field-installable connector; and

laser processing the stub optical fiber to create an endface by sweeping a laser beam directed at a preselected angle from perpendicular to a longitudinal axis of the stub optical fiber back and forth across a surface of the rotating stub optical fiber.

12. (Original) The method of claim 11;

wherein an oscillating motion of the laser is driven by an intermittent sinusoidal signal resulting in at least one deposit of energy onto the stub optical fiber followed by a cooling period before a subsequent deposit of energy occurs; and

wherein a pulse duration and a laser energy are predetermined so that the stub optical fiber is progressively ablated without re-depositing ablated material or distorting the geometry of the remaining stub optical fiber.

13. (Original) The method of claim 11, wherein the preselected angle ranges from about 10° to about 60° from perpendicular to the longitudinal axis of the stub optical fiber.

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- 14. (Original) The method of claim 11, wherein the preselected angle ranges from about 25° to about 35° from perpendicular to the longitudinal axis of the stub optical fiber.
- 15. (Original) The method of claim 11, wherein the laser is focused to a spot size that is slightly larger than the diameter of the stub optical fiber.
- 16. (Original) The method of claim 11, wherein the stub optical fiber is positioned from about 2 to about 2.5 fiber widths downward from an uppermost peak of a sinusoidal laser path and about 8 to about 10 fiber widths upward from a dwell position of the laser.
- 17. (Original) The method of claim 11, wherein the step of laser processing the stub optical fiber is achieved by impinging an amount of laser energy at a preselected laser intensity in the form of a Gaussian intensity distribution onto the stub optical fiber.
- 18. (Original) The method of claim 11, wherein the step of laser processing the stub optical fiber creates a dome shaped endface having a protruding fiber core.
- 19. (Canceled).
- 20. (Original) A method of laser processing an optical fiber, comprising:
 rotating the optical fiber, and

sweeping a beam of a laser directed at a preselected angle from perpendicular to a longitudinal axis of the optical fiber back and forth across a surface of the rotating optical fiber;

wherein the laser is operated in a continuous mode;

wherein an oscillating motion of the laser is driven by an intermitting sinusoidal signal resulting in two deposits of energy onto the optical fiber followed by a cooling period before subsequent deposits of energy occur; and

wherein a pulse duration and an energy intensity of the laser are preselected so that the optical fiber is progressively ablated without re-depositing ablated material or distorting the

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geometry of the remaining optical fiber.

- 21. (Original) The method of claim 20, wherein the preselected angle ranges from about 10° to about 60°.
- 22. (Original) The method of claim 20, wherein the preselected angle ranges from about 25° to about 35°.
- 23. (Original) The method of claim 20, wherein the step of sweeping a laser creates a dome shaped endface having a protruding fiber core on the optical fiber.